

Title (en)

Chip control insert.

Title (de)

Spänekontroll Schneideinsatz.

Title (fr)

Plaquette de coupe à contrôle de copeaux.

Publication

**EP 0494646 A1 19920715 (EN)**

Application

**EP 92100159 A 19920107**

Priority

US 63823691 A 19910107

Abstract (en)

Chip control insert (10) having parallel side central aperture diamond configuration, a planar recess (44) below peripheral cutting edges (12) on each side, and characterized by a planar locating surface surrounding the central aperture with a substantial area recess (48) intermediate the aperture and locating surface, said locating surface having corner (30) and intermediate radial projections (46) with inclined side walls (34) to provide effective chip breaking. <IMAGE>

IPC 1-7

**B23B 27/14**

IPC 8 full level

**B23B 27/14** (2006.01); **B23B 27/22** (2006.01); **B23C 5/20** (2006.01)

CPC (source: EP US)

**B23B 27/143** (2013.01 - EP US); **Y10T 407/235** (2015.01 - EP US); **Y10T 407/245** (2015.01 - EP US)

Citation (search report)

- [X] EP 0318000 A2 19890531 - SUMITOMO ELECTRIC INDUSTRIES [JP]
- [A] GB 2127722 A 19840418 - VALERON CORP
- [A] US 4787784 A 19881129 - BERNADIC THOMAS J [US], et al
- [A] EP 0374800 A2 19900627 - GTE VALENITE CORP [US]
- [A] FR 2158983 A5 19730615 - SANDVIK AB
- [A] US 4411565 A 19831025 - HAZRA JAYANTA [US], et al

Cited by

EP0572490A4; US2011222974A1; EP0572448A4; EP2422905A3; US2012177452A1; US8545136B2; US7374372B2; WO2006094326A1; US8727676B2

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